SEQUENCE LISTING

<110> University of South Florida
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Song, Shijie
Sanberg, Paul
Kamath, Siddharth

<120> Cellular Delivery of Natriuretic Peptides

<130> USF-180XC1

<150> 60/319,530
<151> 2002-09-06

<150> PCT/US2003/028157
<151> 2003-09-08

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<170> PatentIn version 3.2

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Ser Lys Leu Arg Ala Leu Leu Thr Ala Pro Arg Ser Leu Arg Arg Ser
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Ala Val Gln Glu Leu Leu Gly Arg Leu Lys Asp Ala Val Ser Glu Leu
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Gln Ala Glu Gln Leu Ala Leu Glu Pro Leu His Arg Ser His Ser Pro
65 70 75 80

Ala Glu Ala Pro Glu Ala Gly Gly Thr Pro Arg Gly Val Leu Ala Pro
85 90 95

His Asp Ser Val Leu Gln Ala Leu Arg Arg Leu Arg Ser Pro Lys Met
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Asn Ala Asp Leu Met Asp Phe Lys Asn Leu Leu Asp Arg Leu Glu Asp
35 40 45

Lys Met Pro Leu Glu Asp Glu Ala Val Pro Ser Gln Val Leu Ser Glu
50 55 60

Gln Asn Glu Glu Ala Gly Ala Pro Leu Ser Pro Leu Ser Glu Met Pro
65 70 75 80

Pro Trp Met Gly Glu Val Asn Pro Ala Gln Arg Glu Gly Gly Val Leu
85 90 95

Gly Arg Gly Pro Trp Glu Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser
100 105 110

Lys Leu Arg Ala Leu Leu Thr Ala Pro Arg Ser Leu Arg Arg Ser Ser
115 120 125

Cys Phe Gly Gly Arg Met Asp Arg Ile Gly Ala Gln Ser Gly Leu Gly
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Cys Asn Ser Phe Arg Tyr Arg Arg

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Leu Tyr Leu Ser Pro Leu Gly Gly His Ser Tyr Pro Leu Gly Ser Pro
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Ser Gln Ser Pro Glu Gln Phe Lys Met Gln Lys Leu Leu Glu Leu Ile
35 40 45

Arg Glu Lys Ser Glu Glu Met Ala Gln Arg Gln Leu Leu Lys Asp Gln
50 55 60

Gly Leu Thr Lys Glu His Pro Lys Arg Val Leu Arg Ser Gln Gly Ser
65 70 75 80

Thr Leu Arg Val Gln Gln Arg Pro Gln Asn Ser Lys Val Thr His Ile
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Ser Ser Cys Phe Gly His Lys Ile Asp Arg Ile Gly Ser Val Ser Arg
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Leu Gly Cys Asn Ala Leu Lys Leu Leu
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Leu Asn Leu Ser Pro Leu Gly Gly His Ser His Pro Leu Gly Ser Pro
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Ser Gln Ser Pro Glu Gln Ser Thr Met Gln Lys Leu Leu Glu Leu Ile
35 40 45

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Arg Glu Lys Ser Glu Glu Met Ala Gln Arg Gln Leu Ser Lys Asp Gln
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Gly Pro Thr Lys Glu Leu Leu Lys Arg Val Leu Arg Ser Gln Asp Ser
65                  70                  75                  80

Ala Phe Arg Ile Gln Glu Arg Leu Arg Asn Ser Lys Met Ala His Ser
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Leu Gly Cys Asp Gly Leu Arg Leu Phe
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His Leu Leu Leu Leu Gly Cys Arg Ser His Pro Leu Gly Gly Ala Gly
            20                  25                  30

Leu Ala Ser Glu Leu Pro Gly Ile Gln Glu Leu Leu Asp Arg Leu Arg
        35                  40                  45

Asp Arg Val Ser Glu Leu Gln Ala Glu Arg Thr Asp Leu Glu Pro Leu
    50                  55                  60

Arg Gln Asp Arg Gly Leu Thr Glu Ala Trp Glu Ala Arg Glu Ala Ala
65                  70                  75                  80

Pro Thr Gly Val Leu Gly Pro Arg Ser Ser Ile Phe Gln Val Leu Arg
                85                  90                  95

Gly Ile Arg Ser Pro Lys Thr Met Arg Asp Ser Gly Cys Phe Gly Arg
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Arg Leu Asp Arg Ile Gly Ser Leu Ser Gly Leu Gly Cys Asn Val Leu
        115                 120                 125
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Arg Arg Tyr
130